

SUMMARY

WISCONSIN CENTRAL LTD. C&S ESTIMATE						
SUPPORT FOR AUTOMATED HORN INSTALLATION BY RCL						
LOCATION:	MUNDELEIN, IL.	MP	CM040	DOT/AAR #	VARIOUS	
LABOR			MANDAYS	RATE	TOTAL	
	SIGNAL INSTALLATION	MD	9	\$ 140.00	\$ 1,260.00	
	FLAGMAN	MD	15	\$ 359.00	\$ 5,385.00	
	ACCOUNTING	LOT	1	\$ 207.00	\$ 207.00	
	ENGINEERING	LOT	1	\$ 200.00	\$ 200.00	
				TOTAL:	\$ 7,052.00	
MATERIAL			QUANTITY	PRICE	TOTAL	
12" FLASHING LIGHT		EA.	0	FALSE	\$ -	
CANTILEVERS		EA.	0	FALSE	\$ -	
GATE ARMS		EA.	0	FALSE	\$ -	
SIDE LIGHTS		EA.	0	FALSE	\$ -	
12V BELL		EA.	0	FALSE	\$ -	
PREWIRED BUNGALOW		EA.	1	\$ 4,993.47	\$ 4,993.47	
UNDERGROUND CABLE		FT	0	FALSE	\$ -	
GRAVEL FILL		LOT	1	\$ 500.00	\$ 500.00	
STATE SALES TAX			0.0775		\$ 426	
COUNTY SALES TAX			0.055		\$ 302	
				TOTAL:	\$ 6,221.35	
OTHER COSTS			QUANTITY	COST	TOTAL	
	PERDIEM (MANDAYS)		9	\$ 49.44	\$ 445	
	RENTED EQUIPMENT	0 LOT		\$ 450.00	\$ 0	
	COMPANY EQUIPMENT RENTAL		2.25	\$ 251.00	\$ 565	
				TOTAL:	\$1,010	
SALVAGE			QUANTITY	COST	TOTAL	
	NONE				0	
				TOTAL:	0	

SUMMARY

ADDITIVES			AMOUNT	RATE	TOTAL
	ENGINEERING BENEFITS		\$ 7,052.00	72.05%	\$5,081
	ENGINEERING SUPERVISION		\$ 7,052.00	27.05%	\$1,908
	ACCOUNTING BENEFITS		\$ 207.00	59.62%	\$123
	SMALL TOOLS		\$ 7,052.00	5.76%	\$406
	MATERIAL HANDLING		\$ 6,221.35	15.00%	\$933
	TRANSPORTATION TON MILES	1600		0.25%	\$4
				TOTAL:	\$8,455
SUMMARY					
			LABOR		\$7,052
			MATERIAL		\$6,221
			OTHER COSTS		\$1,010
			SALVAGE		\$0
			ADDITIVES		\$8,455
5/30/00				SUBTOTAL:	\$22,738
ESTIMATE PREPARED BY					
OFFICE OF CHIEF ENGINEER			CONTINGENCY AND		
COMMUNICATIONS AND SIGNALS			ALLOWABLE OCR COSTS		\$2,000
STEVENS POINT, WI. 54481					
				TOTAL:	\$24,738

WISCONSIN CENTRAL SIGNALS & COMMUNICATIONS DEPT ESTIMATE					
MATERIAL DETAIL					
PROJECT:					
Support for Automated Horn Installation by RCL, Mundelein, IL.					
REVISED: May-00					
PREPARED: JEP					
	Quantity	Unit	Per Unit	Total	WC/L P/N
FLX 12 Flasher	0	ea	1497.32	0	WC 02000230
Foundation Flasher, 48" galv steel	0	ea	242.70	0	WC 02223090
				0	
Cellular RTU-10	0	ea	1200.00	0	WC 02600270
110 VAC Power Supply	0	ea	30.00	0	WC 02600250
Analog Option Card	0	ea	90.00	0	WC 02223010
Radome Antenna	0	ea	60.00	0	WC 02105400
Backup Battery	0	ea	36.00	0	WC 02100040
Config RTU Software and Cable	0	ea	19.00	0	WC 02134490
Unit Activation	0	ea	30.00	0	WC 02002290
Drill Bit 5/8"	0	ea	3.00	0	WC 02600220
				0	
Aluminium Cantilever WT (arm length)	0	ea	7591.00	0	WC 02600280
Cant Foundation 19" Bolt Centres	0	ea	467.31	0	WC 02223300
Cant Foundation 11 11/16" Bolt Centres	0	ea	474.00	0	WC02223100
Mast grounding straps	0	ea	48.38	0	WC 02388020
Ready-mix Concrete	0	lot	250.00	0	LOCAL PURCH.
				0	
SIDELIGHTS					
FLX 12 Cant Mast Lights	0	ea	1090.00	0	WC 02222190
FLX 12 Cant Arm Lights	0	ea	1066.00	0	WC 02222020
FLX 12 Side light, one way, for cant	0	ea	800.00	0	
FLX 12 Side light, one way, for 4" mast	0	ea	800.00	0	
FLX 12 Side light, one way, for 5" mast	0	ea	800.00	0	WC 02222120
	SIDE LIGHT SUB TOTAL			0	
Bell GS EB-3-360-5	0	ea	215.92	0	WC 02117460
4x4 Bungalow	0	ea	3318.87	0	WC 02500820
Bungalow Foundations 4x4	0	ea	250.00	0	WC 02223090
6x6 Bungalow	0	ea	6500.00	0	
Bungalow Foundations 6x6	0	ea	100.00	0	WC02223080
Safetran 300D2 P/N80100-XXX (specify F	0	ea	22001.00	0	WC 02600290
DAX Card 80016	0	ea	1059.00	0	WC 02289130
TRANS.CARD 80012 FOR 300D2	0	ea	1835.88	0	WC 02289150
ISLAND.CARD 80011 FOR 300D2	0	ea	848.03	0	WC 02289140
Vital AND Gate	0	ea	278.00	0	
Bidirectional Simulation Coupler	0	ea	653.00	0	
Controller 40Amp	0	ea	5865.00	0	WC 02179020

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Controller 20Amp	0	ea	3840.67	0	WC 02179010
Standby Flasher Assembly	0	ea	245.00	0	
Cellular RTU Unit	0	ea	1183.00	0	WC 02200330
NB Shunt (62775-8621 : 86-211 Hz)	0	ea	574.00	0	WC 02373030
NB Shunt (62775-1543 : 156-430 Hz)	0	ea	465.00	0	WC 02373540
NB Shunt (62775-3497 : 348-970 Hz)	0	ea	382.00	0	WC 02373040
NB Shunt (62780-8621 : 86-211 Hz) Hi Z	0	ea	574.00	0	
NB Shunt (62780-1543 : 156-430 Hz) Hi Z	0	ea	465.00	0	
NB Shunt (62775-5297 : 525-970 Hz) Hi Z	0	ea	382.00	0	
Tuned Joint Couplers frequency	0	ea	642.00	0	WC 02183770
Track Simulator, adjustable	0	ea	299.29	0	WC 02600460
Track Loads	0	ea	50.00	0	WC02000270
Rectifier Cragg 20EC-12v	0	ea	476.88	0	WC 02324700
GNB Battery 50 A13	0	ea	226.40	0	WC 02113310
Ground Rods 5/8"x8'	0	ea	8.35	0	WC 02367700
Cadweld Oneshot 1 wire	0	ea	4.59	0	WC 02001590
Cadweld Oneshot 2 wire	0	ea	3.78	0	WC 02001960
Welder SB04GN-616	0	ea	65.85	0	WC 02001500
Heatshrink .750x12	0	ea	2.48	0	WC 02454620
Terminals AMP Black #10 Eyelet	100	ea	0.52	52	WC 02345900
Bondstrand	0	ft	0.46	0	WC 02466530
Sleeve Bondstrand 3/16 SBA-2367J 3/16	0	ea	0.80	0	WC 02378400
Sleeves, hammer die	0	ea	0.22	0	WC 02378400
Terminals 12 Post with Straps	18	ea	13.63	245	WC 02118600
Insulated Test Straps Long	0	ea	1.52	0	WC 02279050
Insulated Test Straps Short	27	ea	1.28	35	WC 02279440
Lock Abloy WCL041	0	ea	22.28	0	WC 02279660
Duct Sealer	0	lb	1.79	0	WC 47603550
Cement instant rock	45	lb	0.95	43	WC 03000910
Track Surge Panel	0	ea	219.25	0	WC 02600300
Cable 3c#10 flex	0	ft	0.64	0	WC02467500
Plug Male 3 wire Grounding	0	ea	7.35	0	WC 10975270
Track Circuit Retainer Clip	0	ea	1.88	0	WC 02166560
Wire #10 black	250	ft	0.57	143	WC 02467520
Wire #10 red	0	ft	0.67	0	WC 02467570
Wire #10 white	0	ft	0.51	0	WC 02467580
Wire #10 yellow	0	ft	0.50	0	WC 02467610
Wire #6 White	0	ft	0.22	0	WC 02134010
Wire #6 Black	0	ft	0.23	0	WC 02134000
Wire #6 Red	0	ft	0.24	0	WC 02134020
Wire #6 bare solid copper ground	0	ft	0.20	0	WC 02467000
Wire #8 Green Insulated Solid Ground	0	ft	0.21	0	WC 02134030
Terminal Lugs #6 Uninsulated	0	ea	0.63	0	WC 02345950
Tape black vinyl	2	roll	3.00	6	WC 25119610
Cable Wire Ties	0	ea	0.07	0	WC 02000440
Screws	100	ea	0.04	4	WC 45067010
Grounding Plate Interior	0	ea	122.00	0	WC 02467090
Bradymarker Labels WML311292 Small	2	roll	17.00	34	WC 25119710
Bradymarker Labels Large	0	roll	17.00	0	WC 25119720
Panduit 3" Slot Wire Duct	0	ft	2.77	0	WC 02600190

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Panduit 3" Cover	0	ft	0.80	0	WC 02600200
2 Track Sign	0	ea	50.00	0	WC 02374090
Rail Bond SBS24882 3/16"x6 1/2"	0	ea	2.29	0	WC 02466200
Cadweld Powders	0	ea	0.84	0	WC 02316060
Line-Ground Arrestors	0	ea	9.30	0	WC 02106200
Equalisers	0	ea	10.00	0	WC 02213480
Crossbucks	0	ea	160.06	0	WC 03005250
Pipe 4"	0	ft	2.00	0	
Bootblock Kit	0	ea	154.80	0	WC 02298360
Electrical Service	0	ea	179.54	0	WC 02600500
Pole 30'	0	ea	90.00	0	WC 02310560
Green Termination Markers	0	ea	19.10	0	
SCX-1 CROSSING CONTROLLER	0	ea	5127.58		WC 02179000
AC/DC track feed unit C4	0	ea	635.00	0	WC 02600430
Track Rectifier	0	ea	95.94	0	WC 02600390
Insulated joints, conventional 11525#	0	ea	378.00	0	WC 01004420
Insulated joints, conventional 10025#	0	ea	378.00	0	WC 01004340
Resistor 5 ohm	0	ea	26.85	0	WC 02456940
Relay 4 ohm	0	ea	450.00	0	WC 02330020
Relay 500 ohm	9	ea	450.00	4050	WC 02345900
Relay plugboard	9	ea	36.81	331	WC 02270000
Relay tab flags	27	ea	1.89	51	WC 02395460
BUNGALOW SUB TOTAL				4993	
CABLE					
Cable 3c#6	0	ft	2.35	0	WC 02134610
Cable 5c#6	0	ft	2.99	0	WC 02134720
Cable 2c#6 Twisted	0	ft	0.83	0	WC 02134500
Cable 7c#6	0	ft	3.99	0	WC 02134890
	0			0	
Gravel/Fill Material	1	lot	500.00	500	
Material Subtotal				5493	
State Sales Tax 7.75%				426	
County Sales Tax 5.5%				302	
Material Total				6221	

Automated Horn Installation on Wisconsin Central Railway
ICC Stipulated Agreement

CERTIFIED TO BE A TRUE COPY OF
RECORDS OF THE LAKE COUNTY
BOARD MEETING OF

OCT 10 2000

APPROVED County Board
County Administrator
Transportation (2) cert.
Central Services (2)

CERTIFICATION NOT VALID UNLESS SEAL
OF LAKE COUNTY, ILLINOIS IS AFFIXED

STATE OF ILLINOIS)
) SS
COUNTY OF LAKE)

Agenda Item # 20 Wendell K. Delander County Clerk

COUNTY BOARD, LAKE COUNTY, ILLINOIS
ADJOURNED REGULAR SEPTEMBER, A.D. 2000 SESSION

OCTOBER 10, A.D. 2000

MR. CHAIRMAN AND MEMBERS OF THE COUNTY BOARD:

Your Public Works and Transportation Committee and Financial and Administrative Committee present herewith a resolution authorizing the Chairman of the County Board, the County Clerk, and the County Engineer to execute a stipulated agreement among the Illinois Commerce Commission, Lake County, the Wisconsin Central, LTD., Railway Company, the Illinois Department of Transportation and the Village of Mundelein for the installation of the Automated Horn System at the crossings of the Wisconsin Central, LTD., Railway Company's tracks with: Butterfield Road (County Highway 57), Illinois Route 60, Allanson Road, Hawley Street (County Highway 70), Maple Street, Dunbar Road, Winchester Road (County Highway 69), and Peterson Road (County Highway 20). The cost of these installations at the above said County Highways shall be born 100% by the Illinois Grade Crossing Protection Fund.

We **RECOMMEND** adoption of this Resolution.

Dominic Caruso
Chairman

Respectfully submitted

Sandy Cole
Chairman

Vice-Chairman

Dan Kelly
Alana O'Kelly
Al Kelly
Blayne Shortle

Public Works and Transportation Committee

Vice-Chairman

Al Kelly
William J. ...
Carol ...
[Signature]

Financial and Administrative Committee

Roll Call Vote
Ayes 20, Nays 0

RESOLUTION

WHEREAS, Butterfield Road (*County Highway 57*), Hawley Street (*County Highway 70*), Winchester Road (*County Highway 69*), and Peterson Road (*County Highway 20*) are designated routes on the County Highway System; and

WHEREAS, the free flow of traffic along Butterfield Road, Hawley Street, Winchester Road, and Peterson Road as well as Illinois Route 60, Allanson Road, Park Street, Maple Street, and Dunbar Road is beneficial to the safety and welfare of the State of Illinois, Lake County, and the Village of Mundelein; and

WHEREAS, the State of Illinois, the Illinois Commerce Commission, Lake County, the Wisconsin Central, LTD., Railway Company, the Illinois Department of Transportation and the Village of Mundelein believe it would be beneficial to the safety and welfare of the motoring public if Automated Horns Systems could be installed at the Wisconsin Central, LTD., Railway Company's tracks where they cross the above said highways; and

WHEREAS, the Illinois Commerce Commission, Lake County, the Wisconsin Central, LTD., Railway Company, the Illinois Department of Transportation and the Village of Mundelein are desirous of entering into a stipulated agreement for the above proposed improvements setting forth the terms and obligations to each agency.

WHEREAS, the Illinois Commerce Commission is making final changes to the stipulated agreements involving changes not involving the interests of Lake County.

NOW, THEREFORE BE IT RESOLVED, the Chairman of the Lake County Board, the County Clerk, and the County Engineer of Lake County, be authorized, and they are directed to execute an agreement pertaining to the financing of the above named improvement, providing in the opinion of the Public Works and Transportation Committee, if necessary, said agreement in its final form (*as received from the Illinois Commerce Commission*) substantially conforms to the draft attached hereto in so far as the interests of Lake County are concerned.. The cost of the above said Automated Horn System at the above said County Highways shall be born 100% by the Illinois Grade Crossing Protection Fund. The County Engineer shall transmit in writing the final agreement to be executed by the Chairman of the Lake County Board and the County Clerk and grant plan and specification approvals to the Illinois Department of Transportation.

BE IT FURTHER RESOLVED that a copy of this agreement, when executed in its final form, be submitted to the Illinois Commerce Commission for their approval and final processing.

Dated at Waukegan, Illinois

This 10th day of October, 2000

ILLINOIS COMMERCE COMMISSION
STIPULATED AGREEMENT

Date March 21, 2001

Agreement # 944

The Mundelein Village Board, Mundelein, Illinois
(Board or Council of Township, Village, City, County, etc.)

meeting on March 5, 2001, Resolved to authorize Marilyn Sindles, Mayor
(Name, Office)

to act as its designated agent in the processing of this Stipulated Agreement and
that the Village of Mundelein is financially willing and able to
(Township, Village, City, County)

bear the cost for the proposed improvements as may be assigned to it according
to Section 5 of this Agreement.